

RECEIVED

JUN 24 2003

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/776,705B

DATE: 06/13/2017

TIME: 12:34:

Input Set : A:\1010 SEO LISTING.TXT

Output Set: N:\CRF4\06192003\T776705B raw

4 <110> APPLICANT: Karl SUGGLES et al.
5 <121> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
6 AMINO ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS
7 AND USES THEREOF
8
9 <130> FILE REFERENCE: C100110
10 <140> CURRENT APPLICATION NUMBER: 09/174,705B
11 <141> CURRENT FILING DATE: 10/11/2006
12 <150> PRIOR APPLICATION NUMBER: 09/211,837
13 <151> PRIOR FILING DATE: 06-12-08
14 <160> NUMBER OF SEQ ID NOS: 78
15 <170> SOFTWARE: FirstSEQ for Windows Version 4.0
16 <210> SRG II NO. 1
17 <211> LENGTH: 1821
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo Sapiens
20 <100> SEQUENCE: 5

ENTERED

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19 ttcttqaacat caacacaaag tggaaacaacc tttagtggaa ggtacagtat attatttaca 110
20 cttgaaggccc ttgtgtttag acaagaaaags gtcacatgtt ccaatggatc ccatgaaact 150
21 gagaatotc sacstrqaa cagatgtatga gacgacgtt ggagaaaatgt ctccatgatag 140
22 ctacatcagg ataggaaattt cagaaatggc acaatgtggc agtcaatttg ctaatgtaaa 300
23 cactgaaaatgt cagaaatttc tgacaaatggg atttttgggg aaaaagaaga tgccagatta 360
24 tggatgtgaa caccatccccg gaaccacette ctttggatgt ttttcatta acctgagttaa 420
25 tggccatcgtt gggactgggg tttttgggtt gtcctatgtc atggccatca caggggatc 480
26 actttttata atcatatgtc ttgtgtggc aatattatca ctgtatttcg ttccacccccc 540
27 attaaaaaaca gccaatggaa gaggggtttt gatttatgaa aaatttaggg aaaaaggcatt 600
28 tggatggccg gggaaaatgg gagttttgtt tccattaca atgcagaaca ttggagcaat 660
29 gtcacatgtac ctttttatca tttaatatga actacatgtt gtaatcagag cttttatggg 720
30 acttcaagaa aataactgggg aatggcacct caatggcaac tacatcatca tatttgtgtc 780
31 tggatgtgaaattt attccttcac ttgtgttctt taaaaattta gtttatctt gctatacccg 840
32 tggatgttcc tttaatgttca tggatgtttt tggatgtgtg gtgatttaca agaaatttca 900
33 aataccctgtt cttttatgtt ttttggatca tggatgtgtt gaaatgttcat tcaacaaacac 960
34 gttttcaatgtt catgtgtgtta tggtaaaaaaa caatctgtgg agtttctgtt gtaacttcat 1020
35 gatgttttttcc accccacccgc aatctgtgggg gttttgtgtt gttttgtgtt gttttgtgtt 1080
36 tcatgacatgtt ggtttttttt aatgttgcac tttttttttt aatgtgtgtt gttttttttt 1140
37 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 1200
38 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 1260
39 gttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 1320
40 ttccatcaatccatca tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 1380
41 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 1440
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/776,705B

DATE: 06/19/2003

TIME: 10:34:20

Input Set : A:\1010 SEQ LISTING.TXT

Output Set: N:\CRF4\06192003\I776705B.raw

55 cactatgtt atttttaat ttcaggaaqt tttttatctt aaacttgtca agaaatggac 1680
 56 tttaggtca cccaaaagg tcggggctt aattttctt qfqqttggaa tattttcat 1740
 57 gatggmaga atggcactca ttataatca cggatata qatcctccaa atccaaatca 1800
 58 tcaactaacat aqgaaaaat ac 1822
 60 <:10> SEQ ID NO: 2
 61 <:11> LENGTH: 547
 62 <:12> TYPE: PRT
 63 <:13> ORGANISM: Homo Sapiens
 65 <:00> SEQUENCE: 2
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 67 1 5 10 15
 68 Ser Ser Ser Gly Glu Ser Ala Pro Asp Ser Tyr Ile Arg Ile Gly Asn
 69 20 25 30
 70 Ser Glu Lys Ala Ala Met Ser Ser Gln Phe Ala Asn Glu Asp Thr Glu
 71 35 40 45
 72 Ser Gln Lys Phe Leu Thr Asn Gly Phe Leu Gly Lys Lys Lys Leu Ala
 73 50 55 60
 74 Asp Tyr Ala Asp Glu His His Pro Gly Thr Thr Ser Phe Gly Met Ser
 75 60 70 75 80
 76 Ser Phe Asn Leu Ser Asn Ala Ile Met Gly Ser Gly Ile Leu Gly Leu
 77 85 90 95
 78 Ser Tyr Ala Met Ala Tyr Thr Gly Val Ile Leu Phe Ile Ile Met Leu
 79 100 105 110
 80 Leu Ala Val Ala Ile Leu Ser Leu Tyr Ser Val His Leu Leu Leu Lys
 81 115 120 125 130
 82 Thr Ala Lys Glu Gly Gly Ser Leu Ile Tyr Glu Lys Leu Gly Glu Lys
 83 130 135 140
 84 Ala Phe Gly Trp Pro Gly Lys Ile Gly Ala Phe Val Ser Ile Thr Met
 85 145 150 155 160
 86 Gln Asn Ile Gly Ala Met Ser Ser Tyr Leu Phe Ile Ile Lys Tyr Glu
 87 165 170 175
 88 Leu Pro Glu Val Ile Arg Ala Phe Met Gly Leu Glu Glu Asn Thr Gly
 89 180 185 190
 90 Glu Trp Tyr Leu Asn Gly Asn Tyr Leu Ile Ile Phe Val Ser Val Gly
 91 195 200 205 210
 92 Ile Ile Leu Pro Leu Ser Leu Leu Lys Asn Leu Gly Tyr Leu Gly Tyr
 93 210 215 220
 94 Thr Ser Gly Phe Ser Ser Leu Thr Cys Met Val Phe Phe Val Ser Val Val
 95 225 230 235 240
 96 Ile Tyr Lys Lys Phe Gln Ile Pro Cys Pro Leu Pro Val Leu Asp His
 97 245 250 255
 98 Ser Val Gly Asn Leu Ser Phe Asn Asn Thr Leu Pro Met His Val Val
 99 260 265 270
 100 Met Leu Pro Asn Asn Ser Glu Ser Ser Asp Val Asn Ile Met Met Asp
 101 275 280 285
 102 Tyr Thr His Arg Asn Pro Ala Gly Leu Asp Glu Asn Gln Ala Lys Gly
 103 290 295 300
 104 Ser Leu His Asp Ser Gly Val Glu Tyr Glu Ala His Ser Asp Asp Lys
 105 305 310 315 320

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/776,705B

DATE: 06/19/2003
TIME: 10:34:20

Input Set : A:\1010 SEQ LISTING.TXT
Output Set: N:\CRF4\06192003\I776705B.raw

106 Cys Glu Pro Lys Tyr Phe Val Phe Asn Ser Arg Thr Ala Tyr Ala Ile
 107 321 330 335
 108 Pro Ile Leu Val Phe Ala Phe Val Cys His Pro Glu Val Leu Pro Ile
 109 340 345 350
 110 Tyr Ser Glu Leu Lys Asp Arg Ser Arg Arg Lys Met Gln Thr Val Ser
 111 355 360 365
 112 Asn Ile Ser Ile Thr Gly Met Leu Val Met Tyr Leu Leu Ala Ala Leu
 113 370 375 380
 114 Phe Gly Tyr Leu Thr Phe Tyr Gly Glu Val Glu Asp Glu Leu Leu His
 115 385 390 395 400
 116 Ala Tyr Ser Lys Val Tyr Thr Leu Asp Ile Pro Leu Leu Met Val Arg
 117 405 410 415
 118 Leu Ala Val Leu Val Ala Val Thr Gln Thr Val Pro Ile Val Leu Phe
 119 420 425 430
 120 Pro Ile Arg Thr Ser Val Ile Thr Leu Leu Phe Pro Lys Arg Pro Phe
 121 435 440 445
 122 Ser Trp Ile Arg His Phe Leu Ile Ala Ala Val Leu Ile Ala Leu Asn
 123 450 455 460
 124 Asn Val Leu Val Ile Leu Val Pro Thr Ile Lys Tyr Ile Phe Gly Phe
 125 465 470 475 480
 126 Ile Gly Ala Ser Ser Ala Thr Met Leu Ile Phe Ile Leu Pro Ala Val
 127 485 490 495
 128 Phe Tyr Leu Lys Leu Val Lys Glu Thr Phe Arg Ser Pro Gln Lys
 129 500 505 510
 130 Val Gly Ala Leu Ile Phe Leu Val Val Gly Ile Phe Phe Met Ile Gly
 131 515 520 525
 132 Ser Met Ala Leu Ile Ile Ile Asp Trp Ile Tyr Asp Pro Pro Asn Ser
 133 530 535 540
 134 Lys His His
 135 545
 136 <010> SEQ ID NO: 3
 137 <011> LENGTH: 32373
 138 <012> TYPE: DNA
 139 <013> ORGANISM: Homo Sapiens
 140 <040> SEQUENCE: 3
 141 a^ct^ta^gc^{aa}t^{at}g^{gt}t^{cc}a^{aa}t^{ac}t^{gt}g^{tt}aa^taaa^tttc^t a^{gg}ag^{ta}aa^{ac} 60
 142 aa^ag^{gg}aa^g aa^aat^{gt}t^{ttt} tt^{tt}aa^aat^{gt} ag^aa^ct^{ttt}tt^{tt}tg^a a^{aa}at^{gt}gt^{cc} 120
 143 t^tc^tat^{at}g^{aa} g^aa^ga^ca^{ag} c^{tt}ttt^{gt}gatt^t g^{gg}cc^{gt}t^{gt}g cat^{gt}jagt at^{gt}at^{gt}gaatt^t 180
 144 t^taaa^aag^{cc}ja c^tc^{cc}at^ct^a g^ttc^ac^{gt}gt^tgat^gaa^{gg}ta^{aa} asttt^tgt^{aa} 240
 145 t^tct^tc^{at}g^{aa}aa acc^{at}cgata a^ttttat^tstat^t a^{aa}g^{aa}ata^{aa} g^{ag}cc^{aa}act^tcat^{ca}at^taga^{aa} 300
 146 a^{gc}t^tg^{aa}g^{aa}g^{aa}g^{tt}tc^tcaat^{tt}tc^t t^gaa^{gg}g^{aa}aa^{aa} t^tgtt^tcgaa^tt^taga^{aa}tt^tc^t 360
 147 a^{aa}acaat^{tt}aa c^{aa}aa^{gt}tt^tga agg^{cc}aa^{at}ta a^{aa}g^{aa}t^{tt}tc^t caacat^tga^{aa} c^ta^{at}tc^tgaa^{aa} 420
 148 a^tt^tat^ttt^tta c^{ag}acat^tagg^t c^tc^{at}t^{gt}gt^t gaaaaaa^{aa}g^{tt}ttt^{tt}tt^tcaagg^{cc}ta tt^tat^ttt^ttag^c 480
 149 a^taat^{gt}caa^{aa}aa at^{aa}aa^tgt^gaa g^aa^{aa}g^{aa}at^t ag^aat^tgc^{cc}gt t^{ca}ag^{aa}a^cact^t a^gc^{ag}ct^tg^{aa} 540
 150 c^{aa}g^{ac}t^cca^g ag^{gt}tt^{gg}gagg^t ag^{ga}ag^{cc}at^t tc^tagaat^tg^{aa} aa^{ag}ag^{cc}ata^t g^{aa}aa^{tt}tg^c 600
 151 t^ttc^taa^{at}gt^t t^tgg^{tt}at^tat^t ag^aatttat^tat^ttt^ttc^tact^tt^tat^t at^tgt^tgt^tcaa^t at^tacacc^tact^t 660
 152 t^tgt^ttt^ttag^t g^{gc}catac^tat^ttt^tatac^tag^tg^t at^taa^tact^tgt^t a^tt^tgt^tgt^tgt^t t^ttt^tgg^tttt^t 720
 153 cc^tat^tgt^ttag^t aa^{ac}aa^cc^tta c^{ag}g^{ca}ag^{tt}tt^t at^tg^{ac}act^tgt^t tt^ttc^tac^tag^taa^t ca^{ag}at^tg^{aa} 780
 154 at^tattat^tgt^t t^tc^tcaa^tat^tg^t t^taaa^{at}gt^ttt^tat^ttt^ttc^tact^tt^tat^t ac^tac^tacc^tact^t 840

RAW SEQUENCE LISTING DATE: 06/19/2003
PATENT APPLICATION: US/09/776,705B TIME: 10:38:22

Input Set : A:\1010 SEQ LISTING.TXT
Output Set: N:\CRF4\06192003\T776705B raw

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/776 705B

DATE: 06/19/2003

TIME: 10:35:30

Input Set : A:\1010 SEQ LISTING.TXT

Output Set: N:\CBE4\06192003\t776705B.rav

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/776,705B

DATE: 06/19/2003

TIME: 10:34:21

Input Set : A:\1010 SEQ LISTING.TXT
Output Set: N:\CRF4\06192003\I776705B.raw

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JUN 24 2003

TECH CENTER



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/895,041C

DATE: 06/19/2003

TIME: 10:36:23

Input Set : A:\AP09895041JUN1003.txt
Output Set: N:\CRF4\06192003\T895041C.raw

3 01100 APPLICANT: DEVELOPMENT CENTER FOR BIOTECHNOLOGY
4 SHU-PEI, WU
5 01200 TITLE OF INVENTION: A NOVEL PHENYLALANINE AMINOTRANSFERASE AND ITS USE
6 01300 FILE NUMBER: US-204120-CHN
7 01400 CURRENT APPLICATION NUMBER: US 08/895,041C
8 01400 CURRENT FILING DATE: 10-01-06-29
9 01600 NUMBER OF SEQ ID NOS: 31
10 01600 SOFTWARE: PatentIn version 3.1
11 02000 SEQ ID NO: 1
12 02000 LENGTH: 1199
13 02000 TYPE: DNA
14 02000 SIGNATURE: *M. H. ELLIOTT*
15 02000 SOURCE: 1
16 02000 ATGTTTAACTTTGTGGCGCTATGCTGCCGACCGATTC TTACGCTTATGGAGCGTTTT 60
17 02000 TAAAGAAGACCCTTGCGAAGGA CAAAGTGAATTTAAGTATCGCTCTATACTAAACGAAAGAC 120
18 02000 GGAATTCCTTCCTAACTTCAGCGCGGGGGGAAGCGCGCTGAACTGGCGACCT 180
19 02000 CTGGCGCTCGTTTAACTACCGATGAAAGGCTTAACCTCTATCGCCATGCCATTJG 240
20 02000 TGGCTGTGTCTGGTGGCGAATCGGTTAATGAAACCAACAGCGCGTAGAACCTTCAA 300
21 02000 ACCCTGGGGCTCGGGGGATGGAAATGAGGCGGATTCTGGAAAACGCTACTTCCGG 360
22 02000 GAATCAGCGCTCGGGGGCTGGAAACCGAAGCAACATTTGGCGGG 420
23 02000 ATGGATTCTGGAGAATGAGCTACTTACCCCTGGTATGACGAAGCGACTAACTGGCTGGGG 480
24 02000 AATGACCTGTGGCGACGCTAAAAACATTAATGGCGCGCACTATTGTGTGTGGCTACCA 540
25 02000 TTTGGCGACAACCGACCGGCTGGCGATCTACTAATGATEAGTGGGATGCGGTGATTGAA 600
26 02000 ATTCCTAAAGCGCGCGACTTATTCATTCCTGGATATTGCTCTATCGAGGATTGGTGC 660
27 02000 GTATGGAAAGAGATGCTACCGTATTGGCGCTTGGCGCGCGCTGGGATTACCGCTCTGG 720
28 02000 GGAGACAACTCTTGTGAAATTTCCTCGCTTACGGCGAGCGCGCTGGCGGGACTTCT 780
29 02000 GTATGGTGAAATGCGAAGCGCGCTGGCGCGCTGGGAGCGCTGGGGATGGCTGGGG 840
30 02000 CGCGCGAACTACTCCAGCGCGCGGAATTCTGGCTGGCGAGTGTGTGG 900
31 02000 GAAGAGGGCATTTAAAGCTGGCTGGCGGAAGTAGAAAGAATGCGTACCTGGATTGTG 960
32 02000 GAAATGGCGTCAAGAATTGGTGAAGGTATTAAGCACAGAGATCGCGAGAAGCGAAATTCGAT 1020
33 02000 TATGCTGTTAATCGCGCGCGCTGGCTGGTATACGGGTTAAATGCGCGCTCGGGTGTG 1080
34 02000 CGCTACGCTGGAAATGGTGTCTATCTACCGCGAGCGCTGGCGATGTGTGGCGCG 1140
35 02000 TTACGATACGCTGGAAATGGTGTGCGAAGCGGTTCGGTGTGGCGCG 1199
44 02000 SEQ ID NO: 2
45 02000 ENTERED

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/895,041C

DATE: 06/19/2003

TIME: 10:32:23

Input Set : A:\AP09895041JUN1003.txt
Output Set: N:\CRF4\06192003\I895041C.raw

RAW SEQUENCE LISTING DATE: 06/19/2003
PATENT APPLICATION: US/09/895.041C TIME: 10:22:23

Input Set : A:\AP09895041JUN1003.txt
Output Set: N:\CRF4\06192003\T895041C raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/895,041C

DATE: 06/19/2003
TIME: 10:32:23

Input Set : A:\AP09895041JUN1003.txt
Output Set: N:\CRF4\06192003\I895041C.raw

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155	Val Ser Thr Tyr Pro Trp Tyr Asp Glu Ala Thr Asn Gly Val Arg Phe		
156	145	150	155
159	Asn Asp Leu Leu Ala Thr Leu Lys Thr Leu Pro Ala Arg Ser Ile Val		160
160	165	170	175
163	Leu Leu His Pro Cys Cys His Asn Pro Thr Gly Ala Asp Leu Thr Asn		
164	160	165	170
167	Asp Gln Trp Asp Ala Val Ile Glu Ile Leu Lys Ala Arg Glu Leu Ile		
168	195	200	205
171	Ile Phe Leu Asp Ile Ala Tyr Gln Gly Phe Gly Ala Gly Met Glu Glu		
172	210	215	220
175	Asp Ala Tyr Ala Ile Arg Ala Ile Ala Ser Ala Gly Leu Pro Ala Leu		
176	215	220	225
177	Val Ser Asn Ser Ile Ser Lys Ile Phe Ser Leu Tyr Gly Glu Arg Val		240
178	240	245	250
179	Gly Gly Leu Ser Val Met Cys Glu Asp Ala Glu Ala Ala Gly Arg Val		255
184	260	265	270
187	Ile Gly Gln Leu Lys Ala Thr Val Arg Arg Asn Tyr Ser Ser Pro Pro		
188	275	280	285
191	Asn Phe Gly Ala Gln Val Val Ala Ala Val Leu Asn Glu Glu Ala Leu		
192	290	295	300
195	Lys Ala Ser Trp Leu Ala Glu Val Glu Glu Met Arg Thr Arg Ile Leu		
196	305	310	315
197	Aia Met Arg Gln Glu Leu Val Lys Val Leu Ser Thr Clu Met Pro Glu		320
198	310	315	320
203	325	330	335
204	Arg Asn Phe Asp Tyr Leu Leu Asn Gln Arg Gly Met Phe Ser Tyr Thr		
205	340	345	350
207	Gly Leu Ser Ala Ala Gln Val Asp Arg Leu Arg Glu Glu Phe Gly Val		
208	355	360	365
211	Tyr Leu Ile Ala Ser Gly Arg Met Cys Val Ala Gly Leu Asn Thr Ala		
212	370	375	380
215	Asn Val Gln Arg Val Ala Lys Ala Phe Ala Ala Val Met		
216	385	390	395
219	<210> SEQ ID NO: 11		
220	<211> LENGTH: 397		
221	<212> TYPE: PRT		
222	<213> ORGANISM: Escherichia coli		
224	<400> SEQUENCE: 11		
226	Met Phe Gln Lys Val Asp Ala Tyr Ala Gly Asp Pro Ile Leu Thr Leu		
227	1	5	10
228	15		
230	Met Glu Arg Phe Lys Glu Asp Pro Arg Ser Asp Lys Val Asn Leu Ser		
231	20	25	30
234	Ile Gly Leu Tyr Tyr Asn Glu Asp Gly Ile Ile Pro Gln Leu Gln Ala		
235	35	40	45
238	Val Ala Glu Ala Glu Ala Arg Leu Asn Ala Gln Pro His Gly Ala Ser		
239	50	55	60
242	Ile Tyr Leu Pro Met Glu Gly Leu Asn Cys Tyr Arg His Ala Ile Ala		
243	65	70	75
246	80		
247	Pro Ile Leu Phe Gly Ala Asp His Pro Val Leu Lys Gln Gln Arg Val		

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/895,041C

DATE: 06/19/2003

TIME: 10:32:23

Input Set : A:\AP09895041JUN1003.txt

Output Set: N:\CRF4\06192003\I895041C.raw

347	85	90	95
350 Ala Thr Ile Gin Thr Leu Gly Gly Ser Gly Ala Leu Lys Val Gly Ala			
351	100	105	110
354 Asp Phe Leu Lys Arg Tyr Phe Pro Glu Ser Gly Val Trp Val Ser Asp			
355	115	120	125
358 Pro Thr Trp Glu Asn His Val Ala Ile Phe Ala Gly Ala Gly Phe Glu			
359	130	135	140
361 Val Ser Thr Tyr Pro Trp Tyr Asp Glu Ala Thr Asn Gly Val Arg Phe			
363 145	150	155	160
366 Asn Asp Leu Leu Ala Thr Leu Lys Thr Leu Pro Ala Arg Ser Ile Val			
367	165	170	175
370 Leu Leu His Pro Cys Cys His Asn Pro Thr Gly Ala Asp Leu Thr Asn			
371	180	185	190
374 Asp Gln Trp Asp Ala Val Ile Glu Ile Leu Lys Ala Arg Glu Leu Ile			
375	195	200	205
378 Pro Phe Leu Asp Ile Ala Tyr Gln Gly Phe Gly Ala Gly Met Glu Glu			
379	210	215	220
381 Asp Ala Tyr Ala Ile Arg Ala Ile Ala Ser Ala Gly Leu Pro Ala Leu			
382	225	230	235
386 Val Ser Asn Ser Phe Ser Lys Ile Phe Ser Leu Tyr Gly Glu Arg Val			
387	240	245	250
390 Gly Gly Leu Ser Val Met Cys Glu Asp Ala Glu Ala Ala Gly Arg Val			
391	260	265	270
394 Leu Gly Gln Leu Lys Ala Thr Val Arg Arg Asn Tyr Ser Ser Pro Pro			
395	275	280	285
398 Asn Phe Gly Ala Gln Val Val Ala Ala Val Leu Asn Asp Glu Ala Leu			
399	290	295	300
401 Lys Ala Ser Trp Leu Ala Glu Val Glu Glu Met Arg Thr Arg Ile Leu			
403 305	310	315	320
406 Ala Met Arg Gln Glu Leu Val Lys Val Leu Ser Thr Glu Met Pro Glu			
407	325	330	335
410 Arg Asn Phe Asp Tyr Leu Leu Asn Gln Arg Gly Met Phe Ser Tyr Thr			
411	340	345	350
414 Gly Leu Ser Ala Ala Gln Val Asp Arg Leu Arg Glu Glu Phe Gly Val			
415	355	360	365
418 Tyr Leu Ile Ala Ser Gly Arg Met Cys Val Pro Gly Leu Asn Thr Ala			
419	370	375	380
422 Asn Val Gln Arg Val Ala Lys Ala Phe Ala Ala Val Met			
423 385	390	395	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/895,041C

DATE: 06/19/2003

TIME: 10:32:24

Input Set : A:\AP09895041JUN1003.txt

Output Set: N:\CRF4\06192003\I895041C.raw